WHAT IS viStaMPS?

- A collaborative project born at UTAD;
- Visual application developed to enhance the visualization, manipulation and exportation of StaMPS results;
- Developed in Matlab® through the Graphical User Interface (GUI);
- Currently being used by hundreds of researchers worldwide;
- Freeware distribution among the scientific community;
- Coordination with the StaMPS team.
viStaMPS v1.2: DATA PROCESSING
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- Filter the points according to the coherence threshold selected;
- Define the minimum and maximum deformation rates to be displayed
- If the Data Display is set to Wrapped phase or Unwrapped phase the lower
viStaMPS v1.2: DATA VISUALIZATION

viStaMPS allows the exportation of part or the whole processed area to a Geographical Information System (GIS).

We can use one of the files exported to generate the corresponding GE file and the colorbar image.
viStaMPS v1.2: DATA VISUALIZATION

Deformation Time Series of PS 13655
1992 to 2000

Displacement [mm]

Temporal Baseline [year]

PS Points
viStaMPS v1.2: PLOTS
3D VISUALIZATION
viStaMPS v1.2: PLOTS
DRAW BORDER, SURFACE

Draw Border button becomes active when a map deformation window is open, allowing the user to draw one or multiple borders that may be used to create surfaces, contours and profiles on selected regions.
The user can draw a border or import file with the study area from GE.

The user can draw the profile or import file with profile definition from GE.

Possibility to see, at the same time, in GE the PS points, borders, contours and profiles on the selected regions.
viStaMPS: VIDEO

This Temporal Series begins in 1992 and finishes in 2000. Do you want to generate video between 1992 and 2000?
viStaMPS: FUTURE WORK

Version 1.2
Improvement of code/interface;
Accomplishment of usability tests.

Version 2.0 (Dec. 2014)
PS + SB results visualization Will be included

Version 3.0 (2015)
Convert the full StaMPS processing chain into a visual application;